

FLAT COLLECTOR



SINGLE NOZZLE

ISO
9001
QUALITY
ASSURANCECE
CERTIFIED

SCALE UP



The NE100 Electrospinning Unit, a model in between basic and advanced Electrospinning systems, all process parameters can be adjusted from its programmable easy-to-use touch screen panel. It also has a special designed isolated chassis and an exhaust system that enables working with evaporative solvents.

Thanks to the advanced safety features, the door safety system and the isolated chassis, scientists can carry out their experiments in safe conditions, without worrying about any risk of users' health endangerment.

NE100

| | |
|----------------------|---|
| Description | Advanced Level Single Nozzle Electrospinning Unit |
| Spinning-Type | Bottom-Up Spinning |

CONSTRUCTION

| | |
|--------------------------------------|---|
| Chasis | Electrostatically Painted Steel |
| Feeding Area Material | PE 1000 (High Density, Chemical resistant) |
| Collector Material | 7000 Series Aluminum Alloy, Stainless Steel |
| LED Illumination | |
| Exhaust Fan | |
| Atmosphere Control (Optional) | |
| Total Weight | Approx. 130 kgs |
| Dimensions | W: 770 mm L: 675 mm H: 1040 mm |

HIGH VOLTAGE POWER SUPPLY

| | |
|--------------------------|----------|
| Voltage Range | 0- 40 kV |
| Voltage Precision | 0,1 kV |
| Max. Current | 0.125 mA |

HIGH PRECISION MICRO PUMP

| | |
|----------------------------|-------------------------------------|
| Flow Rate | 0.35 - 7123 ml/h (BD 60 ml syringe) |
| Flow Rate Precision | 0.01 ml/h |
| Available Syringes | All types are available |

FEEDING AREA

| | |
|---|---|
| Number of Nozzles | 1 |
| Feeding Pipe Material | Aluminium |
| Nozzle Material | Electrically Conductive Stainless Steel |
| Nozzle Inner Diameter | 0.8 mm |
| Compatible with Standard Syringe Nozzles | |
| Minimum Required Solution for Single Nozzle Feeding | 2 ml |

SPINNING DISTANCE

| | |
|---------------------------------------|--------------|
| Distance Between Nozzle and Collector | 13 mm-213 mm |
| Distance Adjustment Precision | 1 mm |

STATIONARY PLATE COLLECTOR

| | |
|-------------------------------|-----------------|
| Material | Stainless Steel |
| Distance Adjustment Precision | 370mm x 130mm |

UNIQUE USER INTERFACE

9" Touch screen control panel with well designed user friendly interface

Fully able to control all parameters

Saving & recalling all parameters via recipe & recall function

SAFETY FUNCTION

Safe Door

Emergency Button & Safety Relay

HV Warning Light

Electrical Isolated & Grounded Cabinet

Over Current Protection

Fully Sealed Cabinet





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